

# Comparison of catalytic activity of hexamethyltri-amino- and tri-n-butylphosphines in the Pudovik reaction

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

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## Abstract

© 2018, © 2018 Taylor & Francis Group, LLC. The catalytic activity of hexamethyltri-aminophosphine in the P(O)-H bond addition to electron-deficient alkenes was studied. Depending on the nature of the alkene, hexamethyltri-aminophosphine produces better or lower yields of the reaction products compared to tri-n-butylphosphine.

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## Keywords

electron-deficient alkenes, organocatalysis, Pudovik reaction, Tertiary phosphines,  $\alpha$ -effect

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